

INTERNATIONAL SEARCH REPORT

 Interna Application No
 PCT 03/02988

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02B3/00 G02B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 124 143 A (MATSUSHITA ELECTRIC IND CO LTD) 16 August 2001 (2001-08-16)	1
Y	page 7, line 49 -page 8, line 5	2-10
Y	US 6 285 515 B1 (KITAZAWA TATSUO ET AL) 4 September 2001 (2001-09-04)	2-10
	column 6, line 4 -column 9, line 60	
X	US 5 980 454 A (BROOME BARRY) 9 November 1999 (1999-11-09)	1-9
Y	column 9, line 49-60; figure 7	10
A	US 6 356 398 B1 (OTSUKI MOTOHIKO ET AL) 12 March 2002 (2002-03-12)	1-10
	column 3, line 37 -column 5, line 23	

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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

24 October 2003

Date of mailing of the international search report

04/11/2003

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			JP 2002122711 A	26-04-2002
			US 2001017733 A1	30-08-2001
US 6285515	B1	04-09-2001	JP 11337707 A	10-12-1999
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